1600

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/516,061C**

DATE: 08/11/2003
TIME: 09:47:...

RECEIVED
AUG 1 3 2003
TECH CENTER 1600/2900

Input Set : **A:\50093.016001.SEQLIST.TXT**
Output Set: **N:\CRF4\08112003\I516061C.raw**

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 4 <110> APPLICANT: Gopalan, Venkat
 5         Jovanovic, Milan
 6         Eder, Paul S.
 7         Giordano, Tony
 8         Powers, Gordon D.
 9         Xavier, K. Asish
11 <120> TITLE OF INVENTION: Novel Bacterial RNase P Proteins and
12         Their Use in Identifying Antibacterial Compounds
15 <130> FILE REFERENCE: 50093/016001
17 <140> CURRENT APPLICATION NUMBER: US 09/516,061C
18 <141> CURRENT FILING DATE: 2000-03-31
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26 <212> TYPE: DNA
27 <213> ORGANISM: Streptococcus mutans
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32 ggacgaagtg ttgccaatcg gaaatttgtt gtctatagtt tagaaaaaga tcaaagtcac 180
33 tatcgtgttg dactttcagt tggaaaaaga ttaggaaatg ctgtcgttag aaatgcgatt 240
34 aaacgaaaat tgcgccatgt ccttatggaa cttggtcctt atttaggcac tcaagatttt 300
35 gttgttattg ctagaaaagg tgttgaggaa cttgattata gcacgatgaa aaaaaatctg 360
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38 <210> SEQ ID NO: 2
39 <211> LENGTH: 477
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41 <213> ORGANISM: Klebsiella pneumoniae
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45 gtggttaagc tcgcatttcc cagggagtta cgcttgttaa ctcccagtca tttcactttc 120
46 gtcttccagc agccacaacg ggctggcacg ccgcaaatca ccatcctcgg ccgcctgaat 180
47 tcgctggggc atccccgcat cggtctcacc gtcgccaaga aaaacgtgaa acgcgcacat 240
48 gaacgcaatc ggattaaacg tctgacgcgt gaaagttttc gtttgcgtca acatgaactc 300
49 ccgccaatgg atttcgtggt ggtggcgaaa agagggggttg ccgacctcga taaccgtgct 360
50 ctctcggaag cgttggaaaa attatggcgc cgccattgtc gcctggctcg cgggtcctga 420
51 tcggcctgat tcgagtttat cagcgcctga ttagtccgct actcgggccg cattgtc    477
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 455
55 <212> TYPE: DNA
56 <213> ORGANISM: Salmonella paratyphi
58 <400> SEQUENCE: 3
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RAW SEQUENCE LISTING   DATE: 08/11/2003
PATENT APPLICATION: **US/09/516,061C**   TIME: 09:47:24

Input Set : **A:\50093.016001.SEQLIST.TXT**
Output Set: **N:\CRF4\08112003\I516061C.raw**

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 59 ctgaccgttt ccaagtaata aagctaaccc ctgagtggtt aagctcgcat ttcccaggga 60
 60 gttacgtttg ttaactcccg ctcatttcac attcgtcttc cagcaacctc aacgggctgc 120
 61 acgccgcaaa tcaccatcct cggccgcctg aattcgctgg ggcatccccg tatcggtctt 180
 62 accgtcgcca agaaaaatgt tcgacgtgcg catgaacgca accggattaa acgtctgacg 240
 63 cgtgaaagct tccgtctgcg ccagcatgaa cttcctgcaa tggatttcgt ggtggtggcg 300
 64 aaaaaagggg ttgccgacct cgataaccgt gctctctcgg aagcgttgga aaaattatgg 360
 65 cgccgccact gtcgcctggc tcgcgggtcc tgatagccct tattcgggtc tatcaacgcc 420
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 76 gtcttcgact ctccgaccgg caaggtcccc ggcaagcacg tcctgctgct ggcgcgcgag 180
 77 aacggtctcg atcacccccg cctgggcctg gtgatcggca agaagaacgt caagctcgcc 240
 78 gtccagcgca atcgcctcaa acgcctgatc cgcgaatcgt tccgccataa ccaggaaacc 300
 79 ctggctggct gggatatcgt ggtgatcgcg cgcaaaggcc tgggcgaact ggaaaatccg 360
 80 gagctgcacc agcagttcgg caagctctgg aaacgcctgt tgcgcaatcg acctcgcacg 420
 81 gaaagccctg ctgacgcccc tggcgtggcc gacggtactc atgcataggt cgatgcccgc 480
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 85 <211> LENGTH: 510
 86 <212> TYPE: DNA
 87 <213> ORGANISM: Corynebacterium diphtheriae
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 91 gtcactctta caagctcgaa tagaacgacg gtgctacctt cacagcacaa gctcagcaat 120
 92 tccgaacagt tccgcgcaac gattcggaag ggcaagcgtg ctgggaggag caccgtcgtt 180
 93 cttcattttt atgctgaggc gaccgcgggc aaccttgcaa ccgcaggcgg cccgcgattc 240
 94 ggcctcgttg tgtccaaggc tgttggaaat gctgtgactc gtcaccgtgt ttcgcggcag 300
 95 ttaaggcacg tagtaatcgc tatgaaagac cagttcccag cgtcatccca tgttgttgtg 360
 96 agggcgatac cgccagcggc gacagcaagt tatgaggagt tgcgggcaga tgtgcaggca 420
 97 gcactcgaca agctcaaccg caagcgataa ggcggttact cgccctcgtg ggctggttag 480
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101 <211> LENGTH: 504
102 <212> TYPE: DNA
103 <213> ORGANISM: Chlamydia trachomatis
105 <400> SEQUENCE: 6
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107 attgatctct aagatctttc atttgtgcat cggttaactc tacctaaaag tgcccgccta 120
108 ttgaaacgta aacaatttgt ttacgtgcag cgttgtgggc aatattgtcg tactgatcag 180
109 gcaactttac gaatagttcc ttctcgtcat tcgaacatcc gtaaagtagg ggttactgtt 240
110 tctaaaaaat ttgggaaagc ccatcagcgc aatcgcttta aagaattgt gcgagaggct 300
111 tttaggcatg tgcgaccaaa tcttcccgca tgtcaagtgg tagtgtctcc taaaggggc 360
112 actctaccaa attttggtaa actatccgcg gatcttctta agcatattcc agaggctttg 420
113 cctctcgtta cttcttctaa gtagtttttt attttggtca aaaaataaaa aaccattcca 480
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RAW SEQUENCE LISTING   DATE: 08/11/2003
PATENT APPLICATION: **US/09/516,061C**   TIME: 09:47:24

Input Set : **A:\50093.016001.SEQLIST.TXT**
Output Set: **N:\CRF4\08112003\I516061C.raw**

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114 cgctatagag gcatggaatg ggaa                                        504
116 <210> SEQ ID NO: 7
117 <211> LENGTH: 492
118 <212> TYPE: DNA
119 <213> ORGANISM: Vibrio cholerae
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123 ctaaccacga gaagggcgag agaggcgttg ccatagtttg ccaagcaagt taaacagttc 120
124 ttcattgctc aaatcttgcg cgctcttttt ggcgatgaca acaaaatctt tgttagccag 180
125 ttgattttga tgtaagcgaa agctttctct gcaaatacgt ttgaatcgat tacggccgac 240
126 ggcagttttg atctgctttt taggaaccgc gagtcccaaa cgaggatgag aaaggttatt 300
127 agcgcgagcg atgattgtga gatgaggaga accagcactg tgagcttgct ggaagacttt 360
128 ttgataatgt tcgggagtta acaaacgtaa ctcccgattg aatgcgtacg tactcaaaat 420
129 aattcgagat tattttgaca ggcgcttacg gccttttgca cgacgtgcat tcagaacttt 480
130 acgaccgttc gc                                                      492
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133 <211> LENGTH: 492
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140 ccttgcctgt tttgcggtag ccctgtcgaa tttccggcgg acgcgcacga cgaaatcctg 180
141 aggcggcagc cggttttttgt tcaatctgaa ccagtcgcgg atgacgcgtt tcatatagtt 240
142 ccgctcgttg gcgcgtttgg cggtttttttt gccgaccacc agaccgatgc ggggatggtc 300
143 cagcccgttg ccgtttgagc gcgaaacttg cagcaggtcg cggctgcggc ggtttctgaa 360
144 tgcaaaaacg gatgaaaaat catccgtttt taacaagcgg tactgccttc cgaagcggta 420
145 gtccaaaatt acactgccag gcgtttgcgg cctttggcac ggcgtgcggc caatactgcg 480
146 cgtccgccgc gt                                                      492
148 <210> SEQ ID NO: 9
149 <211> LENGTH: 492
150 <212> TYPE: DNA
151 <213> ORGANISM: Neisseria meningitidis
153 <400> SEQUENCE: 9
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156 ccttgcctgt tttgcggtag ccctgtcgaa tttacggcgg acgcgcacga cgaaatcctg 180
157 cggcggcagc cggttttttgt tcaatctgaa ccagtcgcgg atgacgcgct tcatataatt 240
158 tcgttcgttg gcgcgtttgg cggtttttttt gccgaccacc agaccgatgc ggggatgatc 300
159 cagcccgttg ccgtttgaac gcgaaacttg cagcaggtcg cggctgcggc ggtttctgaa 360
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162 cgtccgccgc gc                                                      492
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167 <213> ORGANISM: Streptococcus pyogenes
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173 cacgaaatcc tctgacttca gctgatgccc taatgccatg ataacatgac gtatctttcg 240
174 tttgactgca tttctggtga ctgcatttcc tattttttta ccgacagaaa tacccacacg 300
175 gaagtggtct tggcctctat ttaaatgata aatgacaaat tttcgatttg ctgtactttt 360
176 tccatcctta aatatggctt ggaaatcttt ctcacgcttg acacgatagg tcttcttcaa 420
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179 <210> SEQ ID NO: 11
180 <211> LENGTH: 492
181 <212> TYPE: DNA
182 <213> ORGANISM: Bordetella pertussis
184 <400> SEQUENCE: 11
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187 cgtgaggctt gccggtgtca gcttgctgtg cagccgcacc acgtaatcct gggccggcag 180
188 ggcaagccgg cgagcccgga acgcttcgcg gatgacccgc ttcaaggtat tgcgcgtcac 240
189 ggcgcgggcg gcaaaacgct tggcgatcac caggcccagg cgcgcgcgcg ccggctggtc 300
190 atcagcaggg gcacagggcg aggcgctgac aataaagaaa gccctcgggg ccagtcgccg 360
191 gcctttgagg gcggcggcaa actcggaggg gcgatgcaat cgcgcctccg cagggagcgt 420
192 ggcgcgcggc atgggtgacg tgacggagac tggcgacggg gccggcggcg atgctcctgt 480
193 tacaggcaat cc                                                    492
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196 <211> LENGTH: 534
197 <212> TYPE: DNA
198 <213> ORGANISM: Porphyromonas gingivalis
200 <400> SEQUENCE: 12
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202 ttactcgttt ttcaaagccg atgaaggtac atttccggca attctgatca gactcttttg 120
203 catcgctctc tccactgtac gaaagtcagg aagttcatcc gatactacca taaatgcaat 180
204 agtagcatag atctgtctct cttggaggac atcgttcagg aggtgtttgt tgagccgata 240
205 agcctccctg accaaacgct tgaccctatt gcgcttcacg gctcgcctaa accttttctt 300
206 tgctacgctt accagcatgg aggaatatgc aactcgatgc tccgatccca gacggtagac 360
207 tacgcgtaga ggataaacga caaacgcctt gccttcgcca aagaccgtat tgatttcatc 420
208 gcgaagatag aggcgttcgc ttttggatag gccgaatgta ggcggagagg tcatttcccg 480
209 ttgaggtaat cctctaatgc catagccata gaaggatatt gctcggtcgg cgca        534
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212 <211> LENGTH: 495
213 <212> TYPE: DNA
214 <213> ORGANISM: Streptococcus pneumoniae
216 <400> SEQUENCE: 13
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219 taatacatgg agtagatttt tctccatctc tgcgtatccc aaggtttcga ctccttttcg 180
220 agcaatgaca acaaagtcga catcttctac cagactccct tttgcattct ggataatatg 240
221 ccgaatccgt cgcttaattt gatttctagt gacggcattc cccagttttt tgctaactga 300
222 tagacctact cgaaacggt ttttctggtt ttctaattgg tagaccacaa atttgcgatt 360
223 agcaaaactt gtcccctcct tgaaaatcgc cttaaaatct ttctctcttt ttacacgaaa 420
224 gtttttcttc aaaactcaac tccatctatt aaattactac tattataccaa tattttttcaa 480
225 aaaagccaat catag                                                 495
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RAW SEQUENCE LISTING   DATE: 08/11/2003
PATENT APPLICATION: **US/09/516,061C**   TIME: 09:47:24

Input Set : **A:\50093.016001.SEQLIST.TXT**
Output Set: **N:\CRF4\08112003\I516061C.raw**

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229 <212> TYPE: DNA
230 <213> ORGANISM: Clostridium difficile
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235 agtagcatcc ttactagata cccttgctat aaatactata tcatatccag gcttaatttt 180
236 ttcatcaata tttaatctgt aggcttcttt tattaatctt cttactctat tcctagtaat 240
237 agcttttcct acttttttg aaacagaaat acctactcta ctataatctg atttattttt 300
238 aagtatatat attactaaat atttgtttgc aaaagatttg ccgtgtttat atacttttct 360
239 aaaatcagag tctttttca acccttagt cctattaaag tccatagtta acctccataa 420
240 acacagctat gaatcgtaat tatttacaca aaaaggccac ctttg          465
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243 <211> LENGTH: 447
244 <212> TYPE: DNA
245 <213> ORGANISM: Camphylobacter jejuni
247 <400> SEQUENCE: 15
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249 tcatttgaaa cattctagtt ttttcaatcc ccatttttaga ttttttttcta acctagaaaa 120
250 agaaagttca gtgatttcat ttttagctac aaaaatatat ttgccatctt gaagatatct 180
251 ttcaaactta gcaaacaaag ctcttaaaat tcgttttgaa cgatttctaa ccactgcttt 240
252 tccaactttt ttactagcaa caactgctat ttttttttca taactattca gataaaaat 300
253 gatcacacct tcgcaatgcc attttttgcc tactttatat acagatgaaa attcctcgtt 360
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255 gcattgatca ctttgcgacc atttttta                          447
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258 <211> LENGTH: 480
259 <212> TYPE: DNA
260 <213> ORGANISM: Baccillus anthracis
262 <400> SEQUENCE: 16
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265 gcttttcttt aattcttcat atgtcatctc tgcacaaggc ttccttgcta ttataacaaa 180
266 atcttttcca gaatctatct catcttttaa ttctgtgatc gactggcgaa tcatacgttt 240
267 aattcggtta cgcactactg catttcctat cttcttgctg acagaaaggc caatacgaaa 300
268 gtttggctgc tcttctttat ctagttgata gacaacaaat tgacgattcg cattcgattt 360
269 tccttttga aaaccgtct ggaattcatc attctttttt atacgatgtt ttttcttcat 420
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273 <210> SEQ ID NO: 17
274 <211> LENGTH: 480
275 <212> TYPE: DNA
276 <213> ORGANISM: Mycobacterium avium
278 <400> SEQUENCE: 17
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281 cgccgacgac gcggtccggc ttccgggcag cgcgcgaatc accagccggt cggatggttc 180
282 gagttcgccg agcagggccc gggccacgtg acgcagccgg cgggccacgc ggtgtcgttg 240
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/11/2003
PATENT APPLICATION: **US/09/516,061C**   TIME: 09:47:25

Input Set : **A:\50093.016001.SEQLIST.TXT**
Output Set: **N:\CRF4\08112003\I516061C.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:44; Xaa Pos. 28